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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/105,572	06/26/1998	DOUGLAS W. HALL	CORN-0002	5745
7590	05/18/2004		EXAMINER	
FRANCIS A PAINTIN WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS ONE LIBERTY PLACE 46TH FLOOR PHILADELPHIA, PA 19103			SANGHAVI, HEMANG	
			ART UNIT	PAPER NUMBER
				2874

DATE MAILED: 05/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/105,572	HALL ET AL.
	Examiner Hemang Sanghavi	Art Unit 2874

-- The MAILING DATE of this communication appears on the cover sheet with the correspondenc address --  
Period for Reply

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM  
THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on 11 December 2003.  
 2a) This action is **FINAL**. 2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 35-43 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) 35-43 is/are allowed.  
 6) Claim(s) \_\_\_\_\_ is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_.  
 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date \_\_\_\_\_.  
 5) Notice of Informal Patent Application (PTO-152)  
 6) Other: \_\_\_\_\_.

## DETAILED ACTION

The amendment filed on December 11, 2003 has been entered. Applicant's arguments regarding claims 35-43 have been fully considered.

### Status of Claims:

Claims 35-43 are pending in the application.

Claims 35-43 are allowed.

### ***Allowable Subject Matter***

The following is a statement of reasons for the indication of allowable subject matter: The prior art fails to disclose or suggest the fiber amplifier including a gain optical fiber having only one single mode core and the series combination of the gain fiber, the pump light-attenuating fiber and the filtering fiber as claimed in claim 35. Nor does the prior art disclose or suggest the optical amplifier including the first end of each of the pump light attenuating fiber sections being spliced to a respective one of the second ends of the gain fiber sections and the ends of the filtering fiber are respectively connected to the second ends of the pump light attenuating fiber sections as claimed in claim 36. As to claims 37, 39, and 41-43, the prior art fails to disclose or suggest the claimed fiber amplifier with only one single-mode core in combination with all other recited features.

In particularly, Grasso et al patent teaches away from providing only one single mode core for the gain optical fiber (col.10, lines 56-61). Further, Grasso et al patent requires a multi core fiber (two core fiber) with particular diameters for each of the core to achieve desired coupling. Since Grasso et al patent clearly teaching avoidance of

only one single mode core fiber as a gain fiber and requiring a multi core optical fiber, the rejection under estoppel has been withdrawn. Further, applicants arguments on pages 8-10 are persuasive, hence all the pending claims are allowed over the prior art of record.

This application is in condition for allowance except for the following formal matters:

The original patent, or a statement as to loss or inaccessibility of the original patent, must be received before this reissue application can be allowed. See 37 CFR 1.178.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hemang Sanghavi whose telephone number is 703-305-3484. The examiner can normally be reached on Monday-Thursday (8:30 AM-6:00 PM).

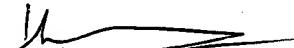
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney Bovernick can be reached on 703-308-4819. The fax phone numbers for the organization where this application or proceeding is assigned are 703-

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872-9318 for regular communications and 703-872-9319 for After Final  
communications.

Any inquiry of a general nature or relating to the status of this application or  
proceeding should be directed to the receptionist whose telephone number is 703-308-  
0956.



Hemang Sanghavi  
Primary Examiner  
Art Unit 2874

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